The only official copy of this file is the one on-line in the NSLS Quality Assurance website. Before using a printed copy, verify that it is the most current version by checking the document effective date on the NSLS QA website.

Brookhaven National Laboratory National Synchrotron Light Source			Number: LS-PPS-0031	Revision:	
				Effective: 3/17/03	Page 1 of 1
Subject: NSLS	Modulator Hig	gh Voltage Power S	Supply Interlock T	est Procedure	
Prepared/ S. Approved By:	Buda	Prepared/ Approved By:	M. Buckley		
Approval signatures	on file with master cop	y.	,	Revision/F	Periodic Review Log
Test Reason:		Test Result:	□ Passed	☐ Failed	
			Test Type:	□ Full	☐ Partial
Test Date:	Tester:		Assistant		
Fester shall notif	y the NSLS Inter	lock Group and NSI	l interlock the Booste LS Safety Officer upo	on test failure.	erioriii tiiis test.
			or to conduct the test		
_		•	y for use in step #4 I unnecessary trippir		
i ui ii oii tile boo	ster magnet pow	er supplies to avoid	i unnecessary middi	ig auring rannonig.	
			composition of the principles	-881	
1. Search the Bo	oster area follow	ving the standard se	arch and interlock p		·
	ning sound is cor	mplete request the o	arch and interlock p	rocedure.	
	ning sound is cor All three mod	mplete request the olulators are ON and	arch and interlock p perator to turn the n pulsing	rocedure. nodulators ON and	
	ning sound is cor All three mod The "A" inter	mplete request the olulators are ON and rlock indicators are	arch and interlock p	rocedure. nodulators ON and lators	
2. After the warn	ning sound is cor All three mod The "A " inter The "B " inter perator press the The "B" interl	mplete request the of dulators are ON and rlock indicators are clock indicators are the Linac-Booster Dis lock indicators at al	arch and interlock p perator to turn the n pulsing on at all three modu	rocedure. nodulators ON and lators lators ontrol room o out	
2. After the warn	ning sound is con All three mod The "A " inter The "B " inter perator press the The "B" inter The "A" inter	mplete request the ofulators are ON and rlock indicators are clock indicators are e Linac-Booster Distlock indicators at allock indicators at all indicators are on all indic	arch and interlock present to turn the number pulsing on at all three modulation at all three modulations guide button in the coll three modulators guidents.	rocedure. nodulators ON and lators lators ontrol room o out tay ON.	
2. After the warn	All three mod The "A " inter The "B " inter The "B" inter The "B" inter All three mod Derator to enable	mplete request the of ulators are ON and rlock indicators are clock indicators are electrock indicators at allock indicators at allock indicators at allock indicators at allock and turn on the most	arch and interlock p perator to turn the n pulsing on at all three modu on at all three modu able button in the col three modulators g I three modulators s power supplies go (rocedure. nodulators ON and lators lators ontrol room o out tay ON.	
2. After the warn	The "B" interded three moderator to enable All three moderator three moderators are the moderators and three moderators are the "RIA".	mplete request the of ulators are ON and rlock indicators are clock indicators are electrock indicators at allock and turn on the modulators are ON and A TEST SWITCH"	arch and interlock present of turn the modulating on at all three modulation at all three modulations are modulators generated in the modulators of three modulators are power supplies go of dulators and have the pulsing located inside the interpretation of turns and the modulators.	rocedure. nodulators ON and lators lators ontrol room o out tay ON. DFF nem pulsing.	
2. After the warn	ning sound is cor All three mod The "A " inter The "B " inter perator press the The "B" inter All three mod Press the "RIA The "A" inter	mplete request the ofulators are ON and rlock indicators are clock indicators are electrical Linac-Booster Distriction and lock indicators at all lock indicators at all lulator high voltage and turn on the modulators are ON and A TEST SWITCH"	perator to turn the new pulsing on at all three modulators go three modulators go dulators and have the pulsing located inside the interest three modulators go the dulators and have the pulsing located inside the interest three modulators go the dulators and have the pulsing located inside the interest three modulators go the dulators go the dulators and have the pulsing located inside the interest three modulators go the dulators go the dula	rocedure. nodulators ON and lators lators ontrol room o out tay ON. DFF nem pulsing. aterlock rack. go OUT	
2. After the warn	aning sound is cornal three mod The "A" interstructure The "B" interstructure The "B" interstructure The "A" interstructure All three mod Press the "RIAThe "A" interstructure The "A" interstructure The "B"	mplete request the of ulators are ON and rlock indicators are clock indicators are electrock indicators at allock indicators at allock indicators at allock indicators at allulator high voltage and turn on the modulators are ON and A TEST SWITCH" rlock indicators at a clock indicators at a clock indicators at a	arch and interlock present of turn the modulating on at all three modulation at all three modulations are modulators generated in the modulators of three modulators are power supplies go of dulators and have the pulsing located inside the interpretation of turns and the modulators.	rocedure. nodulators ON and lators lators ontrol room o out tay ON. OFF nem pulsing. aterlock rack. go OUT stay ON	_

- 5. Press the Interlock OFF button.
- 6. When all of the steps have been completed successfully Secure the Linac/Booster for normal operation.
- 7. Lock the SR-8 Security Rack, and return and sign in the "SR-8 Linac/Booster Security Rack" key.
- 8. Upon completion of the test forward the completed form to the NSLS Quality Representative.